

**ABSTRACT OF THE DISCLOSURE**

A measurement controller is electrically connected with light emitting circuits and controls the light emission of light sources. A calculator calculates reflection characteristic measurement values of a measurement object corresponding to the respective illuminators. Undetermined coefficients of a Gaussian function stored in a memory are determined using the calculated reflection characteristic measurement values, and errors created by an angle of inclination of a normal to a surface of the measurement object with respect to a center axis of a main body are corrected using the Gaussian function whose undetermined coefficients are determined to obtain corrected reflection characteristic values. Since a measurement result is corrected according to the angle of inclination of the main body with respect to the object surface, this enables a high-precision colormetry.